Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/05/2018 10:33 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123999	-1	1.20	123861	1.17
Blue	F	SSC	125000	122406	-3	3.24	122622	3.01
Blue	E	FITC	23615	22849	-4	2.38	1024	10.39
Blue	D	PE	26739	26223	-2	1.92	943	10.05
Blue	B	PerCP-Cy5-5	48339	47573	-2	3.45	1370	17.51
Blue	A	PE-Cy7	45021	44207	-2	5.17	679	36.71
Red	C	APC	53064	51520	-3	2.57	2953	9.50
Red	A	APC-Cy7	57175	56173	-2	2.60	1169	10.84
Violet	B	V450	14728	14188	-4	5.01	680	9.63
Violet	A	V500	58621	57308	-3	4.88	2533	7.08

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19636	2.22	611	-3	N/A	N/A	Pass
Blue	F	SSC	60525	1.52	560	14	N/A	N/A	Pass
Blue	E	FITC	114	38.75	550	2	0.0198	116	Pass
Blue	D	PE	207	29.84	541	5	0.1524	248	Pass
Blue	B	PerCP-Cy5-5	214	46.11	640	5	0.0093	73	Pass
Blue	A	PE-Cy7	73	124.43	696	3	0.0112	15	Pass
Red	C	APC	337	27.68	597	0	0.0198	25	Pass
Red	A	APC-Cy7	127	40.67	580	0	0.0061	2011	Pass
Violet	B	V450	82	45.62	468	-2	0.0479	2477	Pass
Violet	A	V500	183	25.56	495	-2	0.0154	1261	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.84	-32.49	0.90
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.31
Red	17.72	14.40 - 21.60	N/A	N/A	32.16	32.63	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 10672

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments